

Nursing Services Data Report
NURSING HOURS UTILIZATION III.D.I
Yearly Review of FY21
October 2022

INDICATOR

III.D.1

6. DBHDS established a baseline annual utilization rate for private duty (65%) and skilled nursing services (62%) in the DD Waivers as of June 30, 2018 for FY 2018. The utilization rate is defined by whether the hours for the service are identified as a need in an individual's ISP and then whether the hours are delivered. Data will be tracked separately for EPSDT and waiver funded nursing. Seventy percent of individuals who have these services identified in their ISP (or, for children under 21 years old, have prescribed nursing because of EPSDT) must have these services delivered within 30 days, and at the number of hours identified in their ISP, eighty percent of the time.

INTRODUCTION

The Office of Integrated Health (OIH) within DBHDS performed a review of FY21 data for DD Waiver Nursing Service Services within the Commonwealth. DD Waiver Nursing services are provided for individuals enrolled in the DD Waiver who have serious medical conditions and complex healthcare needs and have exhausted their home health benefits under the Commonwealth's Medicaid benefit or other benefits available to the individual and who requires specific nursing care. This time covers 7/1/20 – 6/30/21. The service authorizations pulled for this review included all authorizations that ran through FY21 including those beginning in FY20 and concluding in FY21 or beginning in FY21 and concluding in FY22.

OVERVIEW OF DATA

DBHDS found 860 unique ID/D individuals in DMAS service authorization files with a valid nursing service authorization (i.e., G0493, S9123, S9124, T1002, T1003) open within FY21 (July 1, 2020 – June 30, 2021).

In addition, DBHDS found a total of 42 unique ID/D individuals with new service authorizations that began in FY21.

REPORTING

Timeliness of Service – Individuals with New Authorizations within FY21

GOAL: 70%

There was a total of 42 EPSDT and Waiver recipients combined with new service authorizations that began in FY21. Of that number, a total of 32 individuals had their first service delivered within 30 days of the date the need was identified in their ISP. **The rate of those receiving service within 30 days was 76.19%, which compares to the goal of 70%.**

- 42 Total Individuals Identified with first time authorizations
- 32 Total Individuals received first service within 30 days

EPSDT Recipient Breakdown

GOAL: 70%

There was a total of 24 EPSDT individuals with new service authorizations within FY21. Of that number, 17 EPSDT individuals had their first service delivered within 30 days of the date the need was identified in their ISP. **The rate of those receiving service within 30 days was 70.83%, which compares to the goal of 70%.**

- 24 EPSDT Individuals Identified
- 17 EPSDT Individuals received first service within 30 days

Waiver Recipient Breakdown

GOAL: 70%

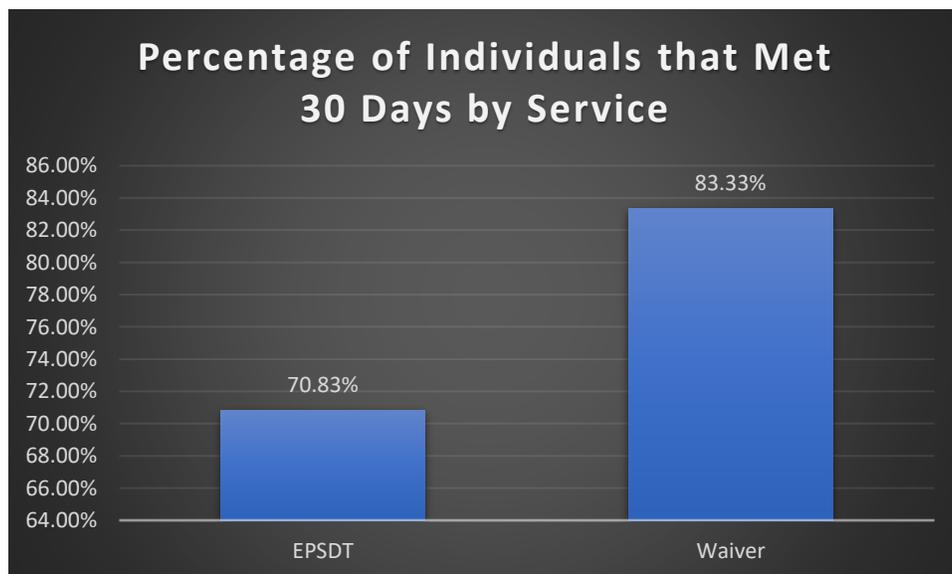
There was a total of 18 Waiver individuals with new service authorizations within FY21. Of that number, 15 Waiver individuals had their first services delivered within 30 days of the date the need was identified in their ISP. **The rate of those receiving service within 30 days was 83.33%, which compares to the goal of 70%.**

- 18 Waiver Individuals Identified
- 15 Waiver Individuals received first service within 30 days

MET 80% by SERVICE

The following table shows the Percentage of Individuals that received their first service within 30 days of the date the need was identified in their ISP by Service.

Percentage that Met 30 Days of Service by Procedure Code	
	Percent
EPSDT	70.83%
Waiver	83.33%



The following table shows the percentage of days in which an individual received their first service from the date the need was identified in their ISP by Service.

Number of Days to 1st Service Categorized by Procedure Code					
	0-30 days	31-60 days	61-90 days	91-120 days	120 days or more
EPSDT	70.83%	16.67%	4.17%	4.17%	4.17%
Waiver	83.33%	11.11%	5.56%	0.00%	0.00%

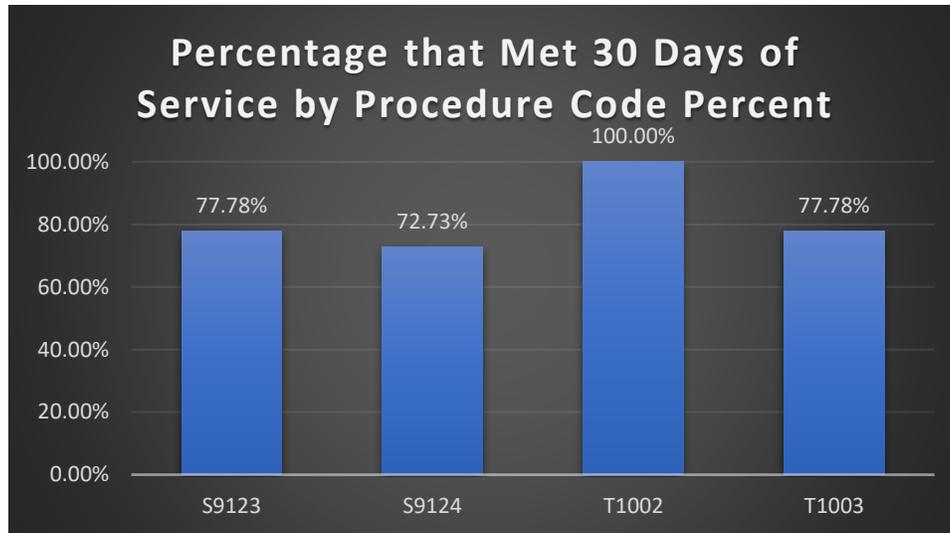
MET 80% by PROCEDURE CODE

The following table shows the Percentage of Individuals that received their first service within 30 days from the date the need was identified in their ISP by Procedure Code.

DEFINITIONS

Skilled Nursing	
Code	Description
G0493	Skilled Services of a Registered Nurse (RN) for the observation and assessment of the patient's condition; up to 15 min
S9123	Nursing care; in the home; by registered nurse (RN); per hour
S9124	Nursing care; in the home; by Licensed Practical Nurse (LPN); per hour
Private Duty	
Code	Description
T1002	Registered Nurse (RN) services; up to 15 min
T1003	Licensed Practical Nurse (LPN)/Licensed Vocation Nurse (LVN); up to 15 min

Percentage that Met 30 Days of Service by Procedure Code	
	Percent
S9123	77.78%
S9124	72.73%
T1002	100.00%
T1003	77.78%



The following table shows percentage of days in which an individual received their first service of the date the need was identified in their ISP by Procedure Code.

Number of Days to 1st Service Categorized by Procedure Code					
	0-30 days	31-60 days	61-90 days	91-120 days	120 days or more
S9123	77.78%	11.11%	11.11%	0.00%	0.00%
S9124	72.73%	13.64%	4.55%	4.55%	4.55%
T1002	100.00%	0.00%	0.00%	0.00%	0.00%
T1003	77.78%	22.22%	0.00%	0.00%	0.00%

NURSING UTILIZATION

ES PDT Recipients Overview

Of the 860 unique individuals identified within FY21, 176 individuals were EPSDT recipients. Of the 150 recipients, 39 recipients received 80% or more of their allotted hours.

- 860 Individuals Identified
- 176 Total ESPDT Recipients
- 39 recipients received 80% or more of their allotted hours

Waiver Recipients Overview

Of the 860 unique individuals identified within FY21, 684 individuals were Waiver recipients. Of the 684 recipients, 208 recipients received 80% or more of their allotted hours.

- 860 Individuals Identified
- 684 Total Waiver Recipients
- 208 recipients received 80% or more of their allotted hours

Percentage that Met 80% Utilization by Category	
	Percent
EPSDT	22.16%
Waiver	30.41%

Utilization Percentage Categorized by Category										
	0-9%	10-19%	20-29%	30-39%	40-49%	50-59%	60-69%	70-79%	80%+	No Paid Claims
EPSDT	3.98%	5.11%	11.93%	8.52%	11.36%	10.80%	7.95%	17.61%	22.16%	0.57%
Waiver	5.70%	8.19%	8.77%	6.58%	8.77%	8.19%	9.65%	13.60%	30.41%	0.15%

EPSDT and Waiver Recipients Total Utilization

Of the 860 unique individuals identified within FY21, 247 unique individuals received 80% or more of their allotted hours.

28.72% of unique individuals of both EPSDT and Waiver recipients received 80% or more of their allotted hours.

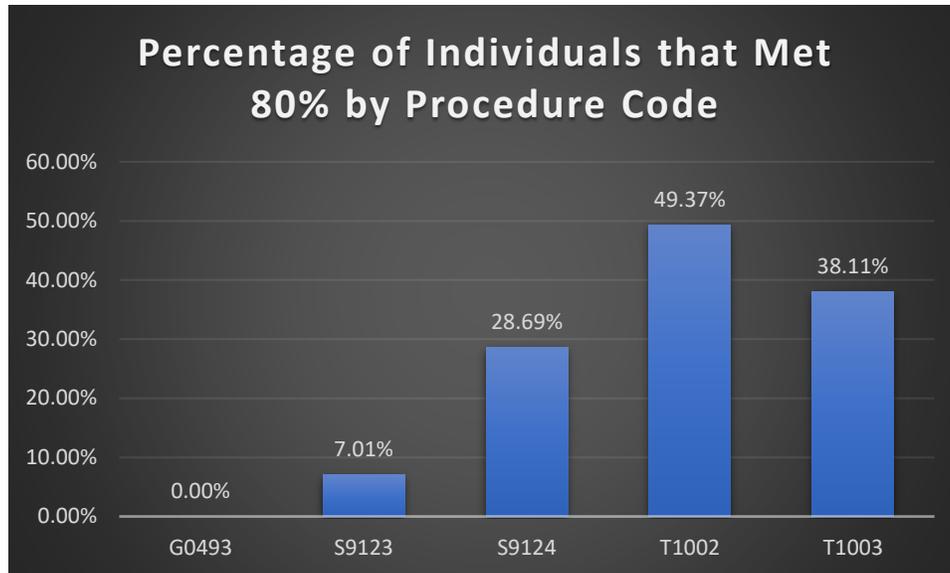
- 860 Individuals Identified
- 247 Individuals received 80% or more of their allotted hours
- 28.72% received 80% or more of their allotted hours

UTILIZATION BY PROCEDURE CODE

The following table shows the Percentage of Utilization that Met 80% by the individual’s Procedure Code.

(For example, 49.37% of Individuals authorized for T1002 received 80% or More of their authorized hours while 7.01% of Individuals authorized for S9123 received 80% or More of their authorized hours.)

Percentage that Met 80% Utilization by Procedure Code	
	Percent
G0493	0.00%
S9123	7.01%
S9124	28.69%
T1002	49.37%
T1003	38.11%



The following table shows the Percentage of Utilization Categorized by the individual’s Procedure Code.

(For example, 38.11% of Individuals authorized for T1003 received 80% or More of their Authorized Hours. Just over 78% of Individual’s authorized for T1003 received 50% or More of their Authorized Hours.)

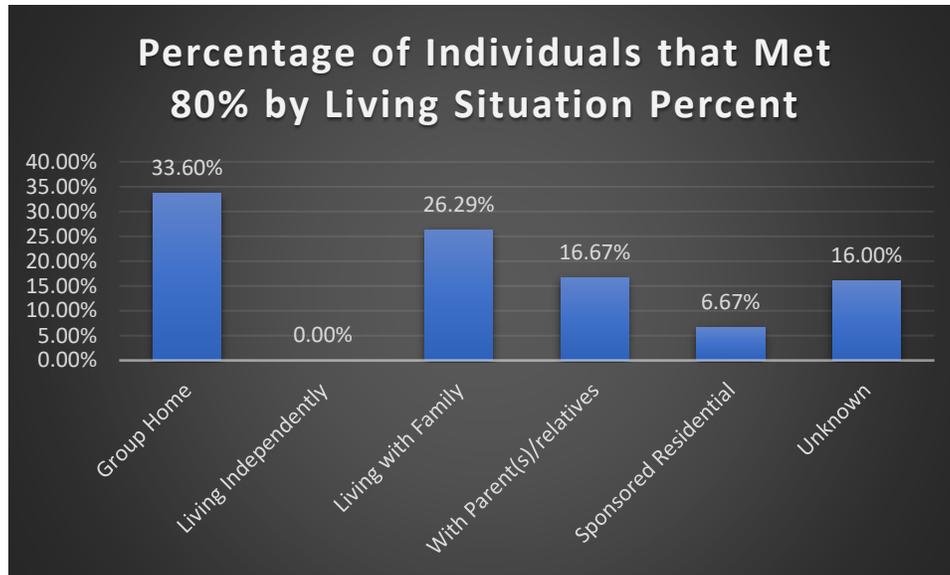
Utilization Percentage Categorized by Procedure Code										
	0-9%	10-19%	20-29%	30-39%	40-49%	50-59%	60-69%	70-79%	80%+	No Paid Claims
G0493	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
S9123	11.68%	19.63%	18.69%	9.81%	8.88%	8.41%	6.07%	9.81%	7.01%	0.00%
S9124	4.22%	6.33%	9.28%	6.75%	13.08%	8.86%	9.70%	12.66%	28.69%	0.42%
T1002	2.53%	3.80%	6.33%	6.33%	3.80%	2.53%	13.92%	11.39%	49.37%	0.00%
T1003	2.74%	1.52%	4.27%	4.88%	8.23%	10.37%	10.06%	19.51%	38.11%	0.30%

UTILIZATION BY LIVING SITUATION

The following table shows the Percentage of Utilization that Met 80% by the individual’s Living Situation.

(For example, 33.6% of Individuals residing in a Group Home received 80% or More of their authorized hours.)

Percentage that Met 80% by Living Situation	
	Percent
Group Home	33.60%
Living Independently	0.00%
Living with Family	26.29%
Sponsored Residential	6.67%
Unknown	16.00%
With Parent(s)/relatives	16.67%



The following table shows the Percentage of Utilization Categorized by the individual’s Living Situation. (For example, 33.6% of Individuals residing in a Group Home received 80% or More of their Authorized Hours. Just over 66% of Individual’s residing in a Group Home received 50% or More of their Authorized Hours.)

Utilization Percentage Categorized by Living Situation										
	0-9%	10-19%	20-29%	30-39%	40-49%	50-59%	60-69%	70-79%	80%+	No Paid Claims
Group Home	5.57%	6.36%	8.35%	5.57%	8.15%	8.15%	10.34%	13.92%	33.60%	0.00%
Living Independently	0.00%	20.00%	20.00%	20.00%	20.00%	0.00%	20.00%	0.00%	0.00%	0.00%
Living with Family	3.19%	5.58%	10.36%	8.37%	10.76%	10.76%	7.17%	17.13%	26.29%	0.40%
Sponsored Residential	15.56%	31.11%	8.89%	6.67%	4.44%	4.44%	8.89%	13.33%	6.67%	0.00%
Unknown	4.00%	6.00%	14.00%	14.00%	18.00%	10.00%	10.00%	6.00%	16.00%	2.00%
With Parent(s)/relatives	16.67%	16.67%	16.67%	0.00%	0.00%	0.00%	0.00%	33.33%	16.67%	0.00%

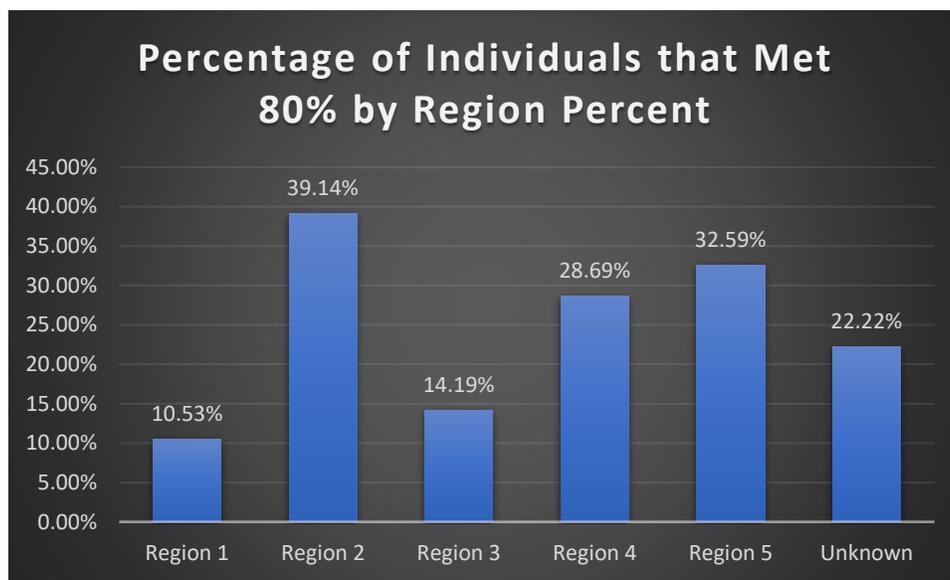
UTILIZATION BY REGION

The following table shows the Percentage of Utilization that Met 80% broken out by the individual’s Region. The Regions are determined by the Individual’s CSB.

(For example, 10.53% of Individuals residing in Region 1 received 80% or More of their authorized hours whereas 39.14% of Individuals residing in Region 2 received 80% or More of their authorized hours.)

Percentage that Met 80% by Region	
	Percent
Region 1	10.53%
Region 2	39.14%
Region 3	14.19%
Region 4	28.69%
Region 5	32.59%
Unknown	22.22%

**Regions are determined by Individual’s CSB*



The following table shows the Percentage of Utilization Categorized by the individual’s Region.

(For example, 39.14% of Individuals residing in Region 2 received 80% or More of their Authorized Hours. Just over 76% of Individual’s residing in Region 2 received 50% or More of their Authorized Hours.)

Utilization Percentage Categorized by Region										
	0-9%	10-19%	20-29%	30-39%	40-49%	50-59%	60-69%	70-79%	80%+	No Paid Claims
Region 1	10.53%	22.37%	19.74%	5.26%	13.16%	9.21%	5.26%	3.95%	10.53%	0.00%
Region 2	3.98%	3.98%	4.89%	5.50%	5.20%	9.17%	10.40%	17.43%	39.14%	0.31%
Region 3	9.68%	14.84%	17.42%	7.74%	7.74%	7.10%	9.68%	11.61%	14.19%	0.00%
Region 4	4.10%	4.92%	6.56%	11.48%	11.48%	9.02%	7.38%	16.39%	28.69%	0.00%
Region 5	2.96%	2.96%	7.41%	5.19%	13.33%	8.15%	10.37%	17.04%	32.59%	0.00%
Unknown	2.22%	4.44%	11.11%	11.11%	20.00%	11.11%	8.89%	6.67%	22.22%	2.22%

PROVIDER INFORMATION

The following table shows the Providers Utilization categorized by percentage for all authorizations. The highest percentage for each provider is highlighted in Orange.

(For example, “Provider 1” delivered 80% or more of their total authorized hours to 56% of their total authorizations. “Provider 14” delivered 80% or more of their authorized hours to 100% of their total authorizations. “Provider 33 delivered 0-9% of their authorized hours to 71% of their authorizations and delivered 10-19% of their authorized hours to 29% of their authorizations.)

	0-9%	10-19%	20-29%	30-39%	40-49%	50-59%	60-69%	70-79%	80-100%
PROVIDER 1	4%	7%	5%	5%	4%	0%	9%	11%	56%
PROVIDER 2	0%	0%	0%	0%	0%	33%	0%	0%	67%
PROVIDER 3	0%	0%	0%	4%	0%	0%	12%	23%	62%
PROVIDER 4	5%	0%	10%	0%	0%	0%	15%	10%	60%
PROVIDER 5	0%	0%	0%	0%	0%	0%	0%	0%	100%
PROVIDER 6	0%	20%	16%	16%	6%	7%	4%	4%	27%
PROVIDER 7	0%	0%	0%	0%	0%	0%	0%	0%	100%
PROVIDER 8	0%	0%	0%	0%	0%	0%	0%	50%	50%
PROVIDER 9	0%	0%	0%	0%	14%	0%	0%	29%	57%
PROVIDER 10	5%	0%	0%	5%	0%	0%	5%	14%	71%
PROVIDER 11	0%	6%	0%	23%	19%	13%	16%	6%	16%
PROVIDER 12	0%	0%	20%	0%	20%	0%	20%	0%	40%
PROVIDER 13	6%	0%	0%	0%	0%	6%	13%	25%	50%
PROVIDER 14	0%	0%	0%	0%	0%	0%	0%	0%	100%
PROVIDER 15	0%	0%	0%	0%	0%	0%	100%	0%	0%
PROVIDER 16	0%	100%	0%	0%	0%	0%	0%	0%	0%
PROVIDER 17	0%	0%	0%	0%	0%	0%	0%	9%	91%
PROVIDER 18	0%	0%	0%	0%	100%	0%	0%	0%	0%
PROVIDER 19	10%	3%	13%	13%	23%	3%	8%	5%	25%
PROVIDER 20	0%	7%	0%	13%	13%	7%	40%	13%	7%
PROVIDER 21	20%	20%	0%	40%	0%	0%	0%	0%	20%
PROVIDER 22	10%	0%	0%	10%	0%	10%	14%	10%	48%
PROVIDER 23	0%	0%	0%	0%	0%	0%	0%	50%	50%
PROVIDER 24	7%	0%	7%	20%	0%	0%	20%	13%	33%
PROVIDER 25	0%	0%	0%	9%	18%	0%	0%	27%	45%
PROVIDER 26	15%	6%	17%	12%	14%	8%	8%	3%	17%
PROVIDER 27	0%	0%	0%	0%	0%	0%	0%	0%	100%
PROVIDER 28	14%	0%	0%	29%	14%	14%	0%	0%	29%
PROVIDER 29	0%	0%	0%	0%	0%	0%	0%	25%	75%
PROVIDER 30	6%	0%	6%	17%	0%	6%	0%	22%	44%
PROVIDER 31	0%	20%	10%	20%	30%	0%	20%	0%	0%
PROVIDER 32	0%	0%	0%	0%	33%	0%	0%	0%	67%

	0-9%	10-19%	20-29%	30-39%	40-49%	50-59%	60-69%	70-79%	80-100%
PROVIDER 33	71%	29%	0%	0%	0%	0%	0%	0%	0%
PROVIDER 34	0%	0%	0%	0%	18%	0%	0%	0%	82%
PROVIDER 35	0%	0%	0%	17%	6%	17%	22%	11%	28%
PROVIDER 36	6%	7%	6%	10%	16%	13%	12%	7%	21%
PROVIDER 37	14%	8%	12%	9%	9%	5%	14%	8%	22%
PROVIDER 38	0%	0%	0%	0%	0%	0%	0%	50%	50%
PROVIDER 39	0%	8%	8%	8%	0%	4%	4%	13%	54%
PROVIDER 40	0%	0%	25%	25%	0%	0%	25%	25%	0%
PROVIDER 41	0%	0%	0%	0%	0%	0%	50%	50%	0%
PROVIDER 42	0%	0%	0%	0%	0%	0%	25%	0%	75%
PROVIDER 43	10%	10%	20%	0%	0%	0%	40%	0%	20%
PROVIDER 44	0%	0%	0%	6%	0%	0%	11%	11%	72%
PROVIDER 45	11%	11%	11%	17%	0%	11%	0%	17%	22%
PROVIDER 46	0%	0%	3%	8%	5%	10%	13%	15%	46%
PROVIDER 47	0%	25%	0%	0%	0%	0%	0%	0%	75%
PROVIDER 48	0%	0%	0%	0%	0%	0%	0%	0%	100%
PROVIDER 49	13%	0%	0%	13%	0%	13%	0%	0%	63%
PROVIDER 50	0%	50%	0%	0%	25%	25%	0%	0%	0%
PROVIDER 51	0%	0%	4%	4%	0%	4%	4%	4%	79%
PROVIDER 52	14%	0%	29%	0%	14%	0%	0%	14%	29%
PROVIDER 53	0%	0%	8%	8%	17%	0%	0%	25%	42%
PROVIDER 54	0%	0%	0%	0%	0%	0%	0%	0%	100%
PROVIDER 55	0%	0%	0%	0%	25%	13%	25%	13%	25%
PROVIDER 56	0%	0%	0%	3%	5%	17%	15%	30%	30%
PROVIDER 57	0%	0%	0%	0%	0%	0%	0%	33%	67%
PROVIDER 58	7%	0%	7%	7%	14%	0%	21%	21%	21%
PROVIDER 59	0%	0%	0%	0%	0%	20%	0%	40%	40%
PROVIDER 60	0%	0%	0%	0%	0%	0%	0%	0%	100%
PROVIDER 61	0%	0%	0%	0%	13%	13%	13%	25%	38%
PROVIDER 62	6%	13%	0%	0%	13%	38%	19%	6%	6%
PROVIDER 63	21%	31%	21%	14%	8%	4%	1%	0%	0%
PROVIDER 64	0%	10%	10%	0%	0%	0%	0%	30%	50%
PROVIDER 65	0%	0%	0%	0%	0%	3%	9%	9%	78%
PROVIDER 66	6%	5%	10%	11%	6%	14%	11%	15%	21%
PROVIDER 67	0%	44%	11%	11%	22%	0%	11%	0%	0%
PROVIDER 68	0%	0%	0%	50%	0%	50%	0%	0%	0%
PROVIDER 69	0%	0%	0%	50%	50%	0%	0%	0%	0%
PROVIDER 70	100%	0%	0%	0%	0%	0%	0%	0%	0%
PROVIDER 71	0%	0%	0%	50%	50%	0%	0%	0%	0%
PROVIDER 72	0%	0%	0%	0%	0%	0%	40%	60%	0%

	0-9%	10-19%	20-29%	30-39%	40-49%	50-59%	60-69%	70-79%	80-100%
PROVIDER 73	0%	0%	0%	0%	0%	0%	50%	33%	17%
PROVIDER 74	0%	0%	8%	0%	0%	8%	25%	17%	42%
PROVIDER 75	30%	9%	0%	9%	0%	22%	4%	0%	26%
PROVIDER 76	0%	13%	0%	0%	0%	0%	0%	13%	75%
PROVIDER 77	0%	0%	0%	0%	20%	0%	0%	20%	60%
PROVIDER 78	0%	0%	0%	0%	0%	0%	0%	100%	0%
PROVIDER 79	50%	50%	0%	0%	0%	0%	0%	0%	0%
PROVIDER 80	0%	0%	17%	0%	4%	0%	0%	21%	58%
PROVIDER 81	11%	11%	28%	28%	11%	11%	0%	0%	0%
PROVIDER 82	0%	0%	6%	0%	0%	0%	25%	6%	63%
PROVIDER 83	0%	0%	0%	0%	0%	0%	0%	50%	50%
PROVIDER 84	0%	0%	0%	0%	0%	0%	0%	100%	0%
PROVIDER 85	0%	0%	0%	0%	0%	0%	5%	1%	94%
PROVIDER 86	0%	0%	0%	0%	7%	7%	14%	21%	50%
PROVIDER 87	0%	9%	27%	0%	27%	9%	9%	0%	18%
PROVIDER 88	0%	0%	0%	0%	100%	0%	0%	0%	0%
PROVIDER 89	0%	0%	0%	0%	0%	0%	0%	0%	100%
PROVIDER 90	0%	0%	0%	0%	100%	0%	0%	0%	0%
PROVIDER 91	0%	5%	5%	5%	27%	18%	0%	9%	32%
PROVIDER 92	0%	0%	0%	50%	50%	0%	0%	0%	0%
PROVIDER 93	0%	0%	0%	0%	25%	13%	50%	13%	0%
PROVIDER 94	0%	0%	100%	0%	0%	0%	0%	0%	0%
PROVIDER 95	100%	0%	0%	0%	0%	0%	0%	0%	0%
PROVIDER 96	1%	7%	7%	17%	11%	15%	18%	5%	19%
PROVIDER 97	0%	0%	0%	0%	0%	9%	9%	18%	64%
PROVIDER 98	20%	0%	20%	20%	20%	20%	0%	0%	0%
PROVIDER 99	0%	0%	3%	3%	9%	15%	12%	15%	42%
PROVIDER 100	4%	0%	4%	4%	17%	17%	22%	9%	22%
PROVIDER 101	0%	0%	50%	0%	0%	0%	0%	0%	50%
PROVIDER 102	13%	17%	17%	10%	14%	9%	8%	6%	5%
PROVIDER 103	0%	8%	8%	8%	23%	12%	19%	8%	15%
PROVIDER 104	0%	0%	0%	0%	0%	20%	0%	20%	60%
PROVIDER 105	11%	7%	4%	13%	15%	17%	4%	14%	14%

NEXT STEPS

As we move forward, DBHDS will:

- 1) Follow up with Providers and Families by phone and email during the review for FY22 to determine barriers that existed to providing services for both FY21 as well as FY22. This will assist DBHDS to understand the challenges that were faced in FY21 and how (or if) they were rectified in FY22.
- 2) Will assist in determining any potential trends. DBHDS was able to include some additional information in the review for FY21 that we were unable to include in previous reports. This includes data on Living Situation, Region and Hours delivered by Provider. As we move forward, we will continue to look at trends within these areas as well as existing areas.

Some of these trends include:

- What barriers did Individuals residing in DBHDS licensed settings and private home settings face to receiving their authorized hours? Did these numbers increase in FY22 over FY21?
- What barriers did Individuals or Providers in all DBHDS regions face to receiving their authorized hours? Did this trend continue in FY22 over FY21?
- Are there specific providers who consistently have been unable to provide hours requested and authorized?
- Are there certain providers who request additional hours (above what might be needed routinely) to have them available if there is a change in status that presents the need for more nursing attention?
- Many providers delivered well under 50% of their authorized hours. Does this trend continue in FY22?
- Is there a correlation between the number of hours delivered to an individual that is approved for two DD Waiver nursing services at the same time?
- Is there a correlation between the first date of service and the number of hours received?

The intention is to compare the data found in FY21 to data found in FY22 on the FY22 Review to determine potential trends and gaps in service. DBHDS will also attempt to incorporate data for Living Situation, Region and Provider to the indicator for Timeliness of Service for the FY22 Review.

- 3) Will continue to present the Skilled Nursing and Private Duty Nursing Training at least quarterly for multiple different stakeholder groups. The training was most recently presented live at the 3rd Annual Community Nursing Conference on October 13, 2022 and will be presented virtually on December 13, 2022.
- 4) Will reconvene the Nursing Services Workgroup to review the FY22 data and analysis and establish next steps beyond the DD waiver killed and Private Duty Nursing training.